

SOLE/JOINT INVENTOR
ORIGINAL/SUBSTITUTE/CIPDECLARATION

As a below named inventor, I hereby declare that: my residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first, and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR SAVING PERIPHERAL DEVICE STATES OF A MICROCONTROLLER

as described in the specification [] attached or [X] of patent Application Serial No. 09/209,190, filed December 10, 1998 and amended on _____.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above; that I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application; that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months prior to this application; and that I acknowledge the duty to disclose information of which I am aware which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations § 1.56(a). Such information is material when it is not cumulative to information already of record or being made of record in the application, and

(1) it establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or

(2) it refutes, or is inconsistent with, a position the applicant has taken or may take in:

(i) opposing an argument of unpatentability relied on by the Office, or

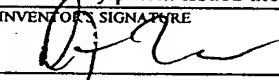
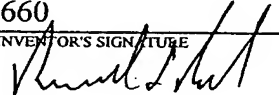

(ii) asserting an argument of patentability.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 of any foreign application(s) for patent or inventor's certificates listed below and have also identified below any foreign application(s) having a filing date before that of the application(s) on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE OF FILING	PRIORITY CLAIMED UNDER 35 USC 119
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under Title 35 United States Code § 120 of any United States application(s) listed below and, insofar as any subject matter of any claim of this application is not disclosed in the prior United States Application, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations § 1.56(a) which occurred between the filing date of the prior application and the national PCT international filing date of this application: _____.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF INVENTOR DAVID F. TOBIAS	INVENTOR'S SIGNATURE 	DATE 2-22-99
RESIDENCE Pflugerville, Texas		CITIZENSHIP USA
POST OFFICE ADDRESS 19221 Ventana Ct., Pflugerville, Texas 78660		
FULL NAME OF INVENTOR RICHARD G. RUSSELL	INVENTOR'S SIGNATURE 	DATE 4/1/99
RESIDENCE Austin, Texas		CITIZENSHIP USA
POST OFFICE ADDRESS 13030 Tamayo Drive, Austin, Texas 78729		
FULL NAME OF INVENTOR MARK T. ELLIS	INVENTOR'S SIGNATURE 	DATE 3/15/99
RESIDENCE Austin, Texas		CITIZENSHIP USA
POST OFFICE ADDRESS 4800 Gallo Circle, Austin, Texas 78734		
4100 Gallo Circle, Austin, Texas 78734		

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UNITED STATES DEPARTMENT OF COMMERCE
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OF PATENTS AND TRADEMARKS

Akin, Gump, Strauss
Hauer & Feld, L.L.P.

SEPTEMBER 29, 1999

PTAS

AKIN, GUMP, STRAUSS, HAUER ET AL
DAVID R. CLONTS
711 LOUISIANA, SUITE 1900, SOUTH TOWER
HOUSTON, TX 77002

OCT 14 1999

101104399A

Docket by AZ
Action —
Due date —

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/07/1999

REEL/FRAME: 010125/0671
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
RUSSELL, RICHARD G.

DOC DATE: 04/01/1999

ASSIGNOR:
ELLIS, MARK T.

DOC DATE: 03/15/1999

ASSIGNEE:
ADVANCED MICRO DEVICES, INC.
5204 E. BEN WHITE BOULEVARD
AUSTIN, TEXAS 78741

SERIAL NUMBER: 09209190
PATENT NUMBER:

FILING DATE: 12/10/1998
ISSUE DATE:

MARY BENTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Akin Gump Strauss Hauer & Feld

AG Ref:

Client Ref:

Date Sent:

Sent by:

TT2480

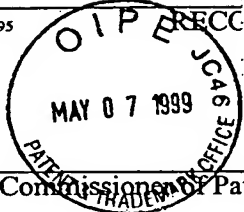
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07-30-1999



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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>RICHARD G. RUSSELL MARK T. ELLIS</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>ADVANCED MICRO DEVICES, INC.</u></p> <p>Internal Address: <u>5204 E. Ben White Boulevard</u></p> <p>Street Address: <u>5204 E. Ben White Boulevard</u></p> <p>City: <u>Austin</u> State: <u>TX</u> Zip: <u>78741</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p>	
<p>Execution Date: <u>March 15, 1999 and April 1, 1999</u></p>	

<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is:</p> <p>A. Patent Application No(s). <u>09/209,190</u></p>		<p>B. Patent No(s).</p>
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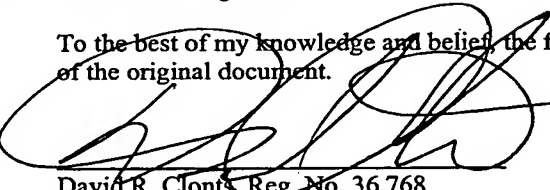
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<p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>David R. Clonts</u></p> <p>Internal Address: <u>Akin, Gump, Strauss, Hauer & Feld, LLP</u></p> <p>Street Address: <u>711 Louisiana, Suite 1900, South Tower</u></p> <p>City: <u>Houston</u> State: <u>TX</u> Zip: <u>77002</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 C.F.R. § 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>16-2435</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>

DO NOT USE THIS SPACE

<p>9. Statement and signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <p></p> <p>David R. Clonts, Reg. No. 36,768</p> <p>Date: <u>4/30/99</u></p>	
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Total number of pages including cover sheet, attachments and document: 3

ASSIGNMENT

WHEREAS, we, RICHARD G. RUSSELL and MARK T. ELLIS, are joint inventors of METHOD AND APPARATUS FOR SAVING PERIPHERAL DEVICE STATES OF A MICROCONTROLLER application for United States Letters Patent application Serial No. 09/209,190, filed December 10, 1998; and

WHEREAS, ADVANCED MICRO DEVICES, INC., a corporation created and existing under and by virtue of the laws of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention throughout the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid by ADVANCED MICRO DEVICES, INC. and for other good and valuable considerations, the receipt of which is hereby acknowledged, we hereby sell, assign, transfer and set over to ADVANCED MICRO DEVICES, INC., all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters Patent, and any and all divisions, continuations, reexaminations and reissues thereof, and any and all Letters Patent of the United States and foreign countries which may be granted therefor, the same to be held and enjoyed by ADVANCED MICRO DEVICES, INC. for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted, reexamined or reissued, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

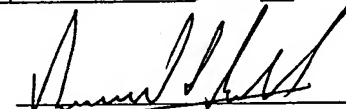
And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, and reissues thereof, to ADVANCED MICRO DEVICES, INC., as assignee of our entire interest, and hereby covenant that we have the full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith.

And we further hereby covenant and agree that we will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefor, to ADVANCED MICRO DEVICES, INC., its successors, assigns, or other legal representatives and that if ADVANCED MICRO DEVICES, INC., its successors, assigns or other legal representatives shall desire to file any divisional or continuation applications or to secure a reexamination or reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation application, or such application for reissue and the procuring thereof, and for the filing of such disclaimer, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

And we do further covenant and agree that we will, at any time upon request, communicate to ADVANCED MICRO DEVICES, INC., its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file

history thereof as may be known to us, and testify as to the same in any interference or other litigation when requested so to do, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

EXECUTED THIS 1 day of April, 1999.


RICHARD G. RUSSELL

STATE OF TEXAS

§

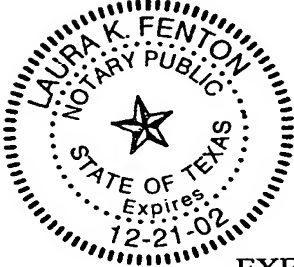
§

COUNTY OF TRAVIS

§

BEFORE ME, the undersigned authority, on this day personally appeared RICHARD G. RUSSELL, known to be to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 1 day of April, 1999.




NOTARY PUBLIC IN AND FOR THE
STATE OF TEXAS

* * * * *

EXECUTED THIS 15 day of March, 1999.


MARK T. ELLIS

STATE OF TEXAS

§

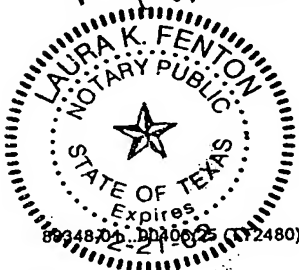
§

COUNTY OF TRAVIS

§

BEFORE ME, the undersigned authority, on this day personally appeared MARK T. ELLIS, known to be to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 15 day of March, 1999.




NOTARY PUBLIC IN AND FOR THE
STATE OF TEXAS

00406/2
A98100US
DRL, JAT

JULY 21, 1999

PRAVEL, HEWITT & KIMBALL
DAVID R. CLONTS

1177 W. LOOP SOUTH, 10TH FLOOR
HOUSTON, TX 75027-9095

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Due date _____

UNITED STATES DEPARTMENT OF COMMERCE

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Washington, D.C. 20231



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/07/1999

REEL/FRAME: 009955/0492
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TOBIAS, DAVID F.

DOC DATE: 12/07/1998

ASSIGNEE:

ADVANCED MICRO DEVICES, INC.
5204 E. BEN WHITE BOULEVARD
AUSTIN, TEXAS 78741

SERIAL NUMBER: 09209190

PATENT NUMBER:

FILING DATE: 12/10/1998

ISSUE DATE:

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Akin Gump Strauss Hauer & Feld

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by: IP Department *[Signature]*



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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

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MRO

12-10-94

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

DAVID F. TOBIAS

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

2. Name and address of receiving party(ies):

Name: ADVANCED MICRO DEVICES, INC.Internal Address: 5204 E. Ben White BoulevardStreet Address: 5204 E. Ben White BoulevardCity: Austin State: TX Zip: 78741Additional name(s) & address(es) attached? ☐ Yes ☒ NoExecution Date: December 7, 1998

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: December 10, 1998

A. Patent Application No(s).

09 209 KU

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David R. ClontsInternal Address: Pravel, Hewitt & KimballStreet Address: 1177 W. Loop South, 10th FloorCity: Houston State: TX Zip: 77027-90956. Total number of applications and patents involved: 17. Total fee (37 C.F.R. § 3.41) \$ 40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

16-2435

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David R. Clonts, Reg. No. 36,768

Date

12/10/98

Total number of pages including cover sheet, attachments and document: 3

2/18/1998 JSHABAZZ 00000007 09209190

01 FC:581

40.00 OP

05/11/1999 SSALEEKU 00000014 09209190

02 FC:501

40.00 OP

ASSIGNMENT

WHEREAS, I, DAVID F. TOBIAS, am sole inventor of METHOD AND APPARATUS FOR SAVING PERIPHERAL DEVICE STATES OF A MICROCONTROLLER application for United States Letters Patent which is executed of even date herewith; and

WHEREAS, ADVANCED MICRO DEVICES, INC. ("AMD"), a corporation created and existing under and by virtue of the laws of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention throughout the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by AMD and for other good and valuable considerations, the receipt of which is hereby acknowledged, I hereby sell, assign, transfer and set over to AMD, all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters Patent, and any and all divisions, continuations, reexaminations and reissues thereof, and any and all Letters Patent of the United States and foreign countries which may be granted therefor, the same to be held and enjoyed by AMD for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted, reexamined or reissued, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

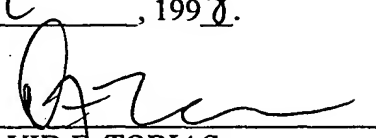
And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, and reissues thereof, to AMD, as assignee of our entire interest, and hereby covenant that I have the full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith.

And I further hereby covenant and agree that I will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefor, to AMD, its successors, assigns, or other legal representatives and that if AMD, its successors, assigns or other legal representatives shall desire to file any divisional or continuation applications or to secure a reexamination or reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation application, or such application for reissue and the procuring thereof, and for the filing of such disclaimer, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

And I do further covenant and agree that I will, at any time upon request, communicate to AMD, its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to me, and testify as to the same in any interference or other litigation when requested so to

do, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

EXECUTED THIS 07 day of Dec, 1998.



DAVID F. TOBIAS

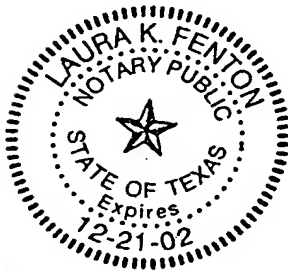
STATE OF TEXAS

§
§
§

COUNTY OF TRAVIS

BEFORE ME, the undersigned authority, on this day personally appeared DAVID F. TOBIAS, known to be to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 7 day of Dec, 1998.





NOTARY PUBLIC IN AND FOR THE
STATE OF TEXAS